

Claims

What is claimed is:

1 1. A system of managing clusters of a computing
2 environment, said system comprising:

3 a registry component to provide global data
4 storage for data of a cluster of said computing
5 environment, said cluster including one or more nodes
6 of said computing environment;

7 a configuration component to maintain data locally
8 on at least one node of said one or more nodes, and to
9 store global data in said registry component;

10 a liveness component to provide status of one or
11 more communications paths of said cluster, said
12 liveness component being dependent upon said registry
13 component and said configuration component;

14 a group services component to provide one or more
15 services to one or more other components of said
16 cluster, said group services component being dependent
17 on said registry component, said configuration
18 component and said liveness component; and

19 a resource management component to provide
20 communications to one or more resource controllers of
21 said cluster, said resource management component being

22 dependent on said registry component, said
23 configuration component and said group services
24 component.

1 2. The system of claim 1, wherein said registry
2 component is dependent on said group services component for
3 at least one type of operation.

Sub A4 1 3. The system of claim 2, wherein said one type of
2 operation is a write operation.

1 4. A method of managing clusters of a computing
2 environment, said method comprising:

3 providing, via a registry component, global data
4 storage for data of a cluster of said computing
5 environment, said cluster including one or more nodes
6 of said computing environment;

7 maintaining, via a configuration component, data
8 locally on at least one node of said one or more nodes,
9 and storing global data in said registry component;

10 providing, via a liveness component, status of one
11 or more communications paths of said cluster, said
12 liveness component being dependent upon said registry
13 component and said configuration component;

14 providing, via a group services component, one or
15 more services to one or more other components of said
16 cluster, said group services component being dependent
17 on said registry component, said configuration
18 component and said liveness component; and

19 providing, via a resource management component,
20 communications to one or more resource controllers of
21 said cluster, said resource management component being
22 dependent on said registry component, said
23 configuration component and said group services
24 component.

1 5. At least one program storage device readable by a
2 machine, tangibly embodying at least one program of
3 instructions executable by the machine to perform a method
4 of managing clusters of a computing environment, said method
5 comprising:

6 providing, via a registry component, global data
7 storage for data of a cluster of said computing
8 environment, said cluster including one or more nodes
9 of said computing environment;

10 maintaining, via a configuration component, data
11 locally on at least one node of said one or more nodes,
12 and storing global data in said registry component;

13 providing, via a liveness component, status of one
14 or more communications paths of said cluster, said
15 liveness component being dependent upon said registry
16 component and said configuration component;

17 providing, via a group services component, one or
18 more services to one or more other components of said
19 cluster, said group services component being dependent
20 on said registry component, said configuration
21 component and said liveness component; and

22 providing, via a resource management component,
23 communications to one or more resource controllers of
24 said cluster, said resource management component being
25 dependent on said registry component, said

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